

EXHIBIT A

Accession number	Gene name	Chromosome	Start	End	Size (bp)	GC (%)
U00096	oriC	1	1113100	1113100	1	50.0
U00096	oriT	1	1113100	1113100	1	50.0
U00096	oriV	1	1113100	1113100	1	50.0
U00096	oriW	1	1113100	1113100	1	50.0
U00096	oriX	1	1113100	1113100	1	50.0
U00096	oriY	1	1113100	1113100	1	50.0
U00096	oriZ	1	1113100	1113100	1	50.0
U00096	oriAA	1	1113100	1113100	1	50.0
U00096	oriAB	1	1113100	1113100	1	50.0
U00096	oriAC	1	1113100	1113100	1	50.0
U00096	oriAD	1	1113100	1113100	1	50.0
U00096	oriAE	1	1113100	1113100	1	50.0
U00096	oriAF	1	1113100	1113100	1	50.0
U00096	oriAG	1	1113100	1113100	1	50.0
U00096	oriAH	1	1113100	1113100	1	50.0
U00096	oriAI	1	1113100	1113100	1	50.0
U00096	oriAJ	1	1113100	1113100	1	50.0
U00096	oriAK	1	1113100	1113100	1	50.0
U00096	oriAL	1	1113100	1113100	1	50.0
U00096	oriAM	1	1113100	1113100	1	50.0
U00096	oriAN	1	1113100	1113100	1	50.0
U00096	oriAO	1	1113100	1113100	1	50.0
U00096	oriAP	1	1113100	1113100	1	50.0
U00096	oriAQ	1	1113100	1113100	1	50.0
U00096	oriAR	1	1113100	1113100	1	50.0
U00096	oriAS	1	1113100	1113100	1	50.0
U00096	oriAT	1	1113100	1113100	1	50.0
U00096	oriAU	1	1113100	1113100	1	50.0
U00096	oriAV	1	1113100	1113100	1	50.0
U00096	oriAW	1	1113100	1113100	1	50.0
U00096	oriAX	1	1113100	1113100	1	50.0
U00096	oriAY	1	1113100	1113100	1	50.0
U00096	oriAZ	1	1113100	1113100	1	50.0
U00096	oriBA	1	1113100	1113100	1	50.0
U00096	oriBB	1	1113100	1113100	1	50.0
U00096	oriBC	1	1113100	1113100	1	50.0
U00096	oriBD	1	1113100	1113100	1	50.0
U00096	oriBE	1	1113100	1113100	1	50.0
U00096	oriBF	1	1113100	1113100	1	50.0
U00096	oriBG	1	1113100	1113100	1	50.0
U00096	oriBH	1	1113100	1113100	1	50.0
U00096	oriBI	1	1113100	1113100	1	50.0
U00096	oriBJ	1	1113100	1113100	1	50.0
U00096	oriBK	1	1113100	1113100	1	50.0
U00096	oriBL	1	1113100	1113100	1	50.0
U00096	oriBM	1	1113100	1113100	1	50.0
U00096	oriBN	1	1113100	1113100	1	50.0
U00096	oriBO	1	1113100	1113100	1	50.0
U00096	oriBP	1	1113100	1113100	1	50.0
U00096	oriBQ	1	1113100	1113100	1	50.0
U00096	oriBR	1	1113100	1113100	1	50.0
U00096	oriBS	1	1113100	1113100	1	50.0
U00096</						

GenesGenes - v3

SEARCH REQUEST SYSTEMS ANALYSIS TOOL RESOURCES HISTORICAL SFD RECORD

Print address: DIM Enter ID number

<p>Assay Viewport</p> <p>SPO1 Assay</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>AST57 Basal Protoporphyrin Cell GMP Synthesis Da</p> <p>AST58 Rat DRG Neuronal Survival Inhibitor Ass</p> <p>AST59 Visualization of Xenopus Embryo by RIA</p> <p>AST60 Membrane Staining of Xenopus Embryo by RIA</p> <p>AST61 Membrane Staining of Xenopus Embryo by RIA</p> <p>AST62 Benztidine Staining of Xenopus Embryo by RIA</p> <p>AST63 Hematopoietic stem cell proliferation</p> <p>AST64 Protoporphyrin IX fluorescence</p> <p>AST65 Inhibition of Adenosine Deaminase</p> <p>AST67 MLR - T-cell assay</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>AST68 Basal Protoporphyrin Cell GMP Synthesis Da</p> <p>AST69 Rat DRG Neuronal Survival Inhibitor Ass</p> <p>AST70 Visualization of Xenopus Embryo by RIA</p> <p>AST71 Membrane Staining of Xenopus Embryo by RIA</p> <p>AST72 Membrane Staining of Xenopus Embryo by RIA</p> <p>AST73 Benztidine Staining of Xenopus Embryo by RIA</p> <p>AST74 Hematopoietic stem cell proliferation</p> <p>AST75 Protoporphyrin IX fluorescence</p> <p>AST76 Inhibition of Adenosine Deaminase</p> <p>AST78 MLR - T-cell assay</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>AST79 Basal Protoporphyrin Cell GMP Synthesis Da</p> <p>AST80 Rat DRG Neuronal Survival Inhibitor Ass</p> <p>AST81 Visualization of Xenopus Embryo by RIA</p> <p>AST82 Membrane Staining of Xenopus Embryo by RIA</p> <p>AST83 Membrane Staining of Xenopus Embryo by RIA</p> <p>AST84 Benztidine Staining of Xenopus Embryo by RIA</p> <p>AST85 Hematopoietic stem cell proliferation</p> <p>AST86 Protoporphyrin IX fluorescence</p> <p>AST87 Inhibition of Adenosine Deaminase</p> <p>AST89 MLR - T-cell assay</p> </div>																																																																																																														
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<p>Rows 1 - 4 of 4</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Assay</th> <th>AST Name</th> <th>Run ID / DNA</th> <th>LOI</th> <th>Pos</th> <th>Varied</th> <th>Code</th> <th>Exp. Unit</th> <th>Mean</th> <th>Std</th> </tr> </thead> <tbody> <tr> <td>AST57</td> <td>AST57 Basal Protoporphyrin Cell GMP Synthesis Da</td> <td>P011202</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST58</td> <td>AST58 Rat DRG Neuronal Survival Inhibitor Ass</td> <td>P011203</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST59</td> <td>AST59 Visualization of Xenopus Embryo by RIA</td> <td>P011204</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST60</td> <td>AST60 Membrane Staining of Xenopus Embryo by RIA</td> <td>P011205</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST61</td> <td>AST61 Membrane Staining of Xenopus Embryo by RIA</td> <td>P011206</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST62</td> <td>AST62 Benztidine Staining of Xenopus Embryo by RIA</td> <td>P011207</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST63</td> <td>AST63 Hematopoietic stem cell proliferation</td> <td>P011208</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST64</td> <td>AST64 Protoporphyrin IX fluorescence</td> <td>P011209</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST65</td> <td>AST65 Inhibition of Adenosine Deaminase</td> <td>P011210</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>AST67</td> <td>AST67 MLR - T-cell assay</td> <td>P011211</td> <td>LOI</td> <td></td> <td></td> <td>1.50</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> </tbody> </table>		Assay	AST Name	Run ID / DNA	LOI	Pos	Varied	Code	Exp. Unit	Mean	Std	AST57	AST57 Basal Protoporphyrin Cell GMP Synthesis Da	P011202	LOI			1.50	0.00	0.00		AST58	AST58 Rat DRG Neuronal Survival Inhibitor Ass	P011203	LOI			1.50	0.00	0.00		AST59	AST59 Visualization of Xenopus Embryo by RIA	P011204	LOI			1.50	0.00	0.00		AST60	AST60 Membrane Staining of Xenopus Embryo by RIA	P011205	LOI			1.50	0.00	0.00		AST61	AST61 Membrane Staining of Xenopus Embryo by RIA	P011206	LOI			1.50	0.00	0.00		AST62	AST62 Benztidine Staining of Xenopus Embryo by RIA	P011207	LOI			1.50	0.00	0.00		AST63	AST63 Hematopoietic stem cell proliferation	P011208	LOI			1.50	0.00	0.00		AST64	AST64 Protoporphyrin IX fluorescence	P011209	LOI			1.50	0.00	0.00		AST65	AST65 Inhibition of Adenosine Deaminase	P011210	LOI			1.50	0.00	0.00		AST67	AST67 MLR - T-cell assay	P011211	LOI			1.50	0.00	0.00	
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

35489 7590 01/09/2007

HELLER EHRMAN LLP
275 MIDDLEFIELD ROAD
MENLO PARK, CA 94025-3506

EXAMINER

SAOUD, CHRISTINE J

ART UNIT

PAPER NUMBER

1647

DATE MAILED: 01/09/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/160,502

10/19/2001

Kevin P. Baker

GNE.2630P1C57

1971

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	04/09/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

35489 7590 01/09/2007

HELLER EHRMAN LLP
275 MIDDLEFIELD ROAD
MENLO PARK, CA 94025-3506

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/160,502	10/19/2001	Kevin P. Baker	GNE.2630PIC57	1971

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	04/09/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
SAOUD, CHRISTINE J	1647	530-399000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
 1 _____
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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35489	7590	01/09/2007		
HELLER EHRMAN LLP 275 MIDDLEFIELD ROAD MENLO PARK, CA 94025-3506				
			EXAMINER SAOUD, CHRISTINE J	
			ART UNIT	PAPER NUMBER
			1647	
DATE MAILED: 01/09/2007				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 311 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 311 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/160,502

Examiner

Christine J. Saoud

Applicant(s)

BAKER ET AL.

Art Unit

1647

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 25 September 2006 reply.
2. ☒ The allowed claim(s) is/are 63-65 and 68-70.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

CHRISTINE J. SAOUD
PRIMARY EXAMINER

Christine J. Saoud

DETAILED ACTION

Response to Amendment

Claims 63-65 and 68-70 are pending in the instant application.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Any objection or rejection of record which is not expressly repeated in this action has been overcome by Applicant's response and withdrawn.

Applicant's arguments filed 25 September 2006 have been received, entered into the instant application and fully considered. The Declaration filed on 25 September 2006 under 37 CFR 1.131 is sufficient to overcome the Ni et al. reference.

The data presented in the Declaration provides support for the assertion that PRO1114 (the protein of SEQ ID NO:352) decreases the response of the MLR demonstrating immunosuppression *in vitro*.

Specification

The title of the invention is not descriptive. It is suggested that Applicant file an amendment to change the title – such as PRO 1114 polypeptides. Your cooperation is appreciated.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: Applicant continues to assert and argue that the instant specification enables use of the claimed invention for suppression of the graft versus host response. This asserted use is not disclosed in the instant specification. However, based on the MLR assay, the data provided in the Declaration filed 25 September 2006, and the teaching in the art that the MLR assay is an art accepted assay for identifying immune suppressive molecules, one of ordinary skill in the art would recognize a well-established use for the claimed invention for at least *in vitro* immune suppression. Since the claims are not directed to *in vivo* methods of use, this issue need not be further addressed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christine J. Saoud whose telephone number is 571-272-0891. The examiner can normally be reached on Monday-Friday, 6AM-2PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brenda Brumback can be reached on 571-272-0961. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CHRISTINE J. SAUD
PRIMARY EXAMINER

Christine J. Saud